

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--------------------------------|------------------|---------|------------------|
| L1 | 1290 | correct\$4 near4 (erroneous or error\$1 or defect\$2 or fault\$1 or failed) near4 (bit\$1 or byte\$1 or data or symbol\$1 or signal\$1) near4 sector\$1 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/25 09:43 |
| L2 | 1371 | (ECC or correct\$4) near4 (erroneous or error\$1 or defect\$2 or fault\$1 or failed) near4 (bit\$1 or byte\$1 or data or symbol\$1 or signal\$1) near4 sector\$1 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/25 09:44 |
| L4 | 31 | ((ECC or (ECC near3 correct\$3)) near4 (CRC or (cyclic adj2 redundancy)) near4 (bit\$1 or byte\$1 or data)) and ((failed or defected or erroneous) near4 sector\$1) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/25 09:50 |
| L5 | 36 | ((ECC or (ECC near3 correct\$3)) near10 (CRC or (cyclic adj2 redundancy)) near10 (bit\$1 or byte\$1 or data)) and ((failed or defected or erroneous) near4 sector\$1) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/25 10:07 |
| L6 | 86 | (first near3 (ECC or (ECC near3 correct\$3))) and (second near3 (ECC or (ECC near3 correct\$3))) and (third near3 (ECC or (ECC near3 correct\$3))) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/25 09:58 |
| L7 | 3 | (first near3 (ECC or (ECC near3 correct\$3))) and (second near3 (ECC or (ECC near3 correct\$3))) and (third near3 (ECC or (ECC near3 correct\$3))) and ((failed or defected or erroneous) near2 sector\$1) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/25 10:06 |
| L8 | 17 | (first near3 (ECC or (ECC near3 correct\$3))) and (second near3 (ECC or (ECC near3 correct\$3))) and (third near3 (ECC or (ECC near3 correct\$3))) and ((failed or defected or erroneous) near2 (data or sector\$1)) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/25 09:59 |
| L9 | 0 | (first near3 (ECC or (ECC near3 correct\$3))) and (second near3 (ECC or (ECC near3 correct\$3))) and (third near3 (ECC or (ECC near3 correct\$3))) and ((failed or defected or erroneous) near2 (data or sector\$1)) and (LBM or ("long block membership")) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/25 10:05 |

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|-----|----|---|---|----|-----|------------------|
| L10 | 6 | ((failed or defected or erroneous) near2 (data or sector\$1)) and (LBM or ("long block membership")) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/25 10:01 |
| L11 | 8 | ((failed or defected or erroneous) near2 (data or sector\$1)) and (LBM or ("long block membership")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:01 |
| L12 | 0 | (first near3 (ECC or (ECC near3 correct\$3))) and (second near3 (ECC or (ECC near3 correct\$3))) and (third near3 (ECC or (ECC near3 correct\$3))) and ((failed or defected or erroneous) near2 (data or sector\$1)) and (LBM or ("long block membership")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:05 |
| L13 | 4 | (first near3 (ECC or (ECC near3 correct\$3))) and (second near3 (ECC or (ECC near3 correct\$3))) and (third near3 (ECC or (ECC near3 correct\$3))) and ((failed or defected or erroneous) near2 sector\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:19 |
| L14 | 4 | (first near3 (ECC or (ECC near3 correct\$3))) and (second near3 (ECC or (ECC near3 correct\$3))) and (third near3 (ECC or (ECC near3 correct\$3))) and ((failed or defected or erroneous) near2 sector\$1) and control\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:06 |
| L15 | 35 | ((ECC or (ECC near3 correct\$3)) near10 (CRC or (cyclic adj2 redundancy)) near10 (bit\$1 or byte\$1 or data)) and ((failed or defected or erroneous) near4 sector\$1) and control\$4 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/09/25 10:07 |
| L16 | 1 | (first near3 (ECC or (ECC near3 correct\$3)) near3 (trial\$1 or attempt\$1)) and (second near3 (ECC or (ECC near3 correct\$3))) and (third near3 (ECC or (ECC near3 correct\$3))) and ((failed or defected or erroneous) near2 sector\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:20 |

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|-----|---|--|---|----|-----|------------------|
| L17 | 0 | (first near3 (ECC or (ECC near3 correct\$3)) near3 (trial\$1 or attempt\$1)) and (second near3 (ECC or (ECC near3 correct\$3)) near3 (trial\$1 or attempt\$1)) and (third near3 (ECC or (ECC near3 correct\$3)) near4 (trial\$1 or attempt\$1)) and ((failed or defected or erroneous) near10 sector\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:21 |
| L18 | 0 | (first near3 (ECC or (ECC near3 correct\$3)) near3 (trial\$1 or attempt\$1)) and (second near3 (ECC or (ECC near3 correct\$3)) near3 (trial\$1 or attempt\$1)) and (third near3 (ECC or (ECC near3 correct\$3)) near4 (trial\$1 or attempt\$1)) and sector\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:21 |
| L19 | 0 | (first near3 (ECC or (ECC near3 correct\$3)) near3 (trial\$1 or attempt\$1)) and (second near3 (ECC or (ECC near3 correct\$3)) near3 (trial\$1 or attempt\$1)) and (third near3 (ECC or (ECC near3 correct\$3)) near4 (trial\$1 or attempt\$1)) and decod\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:21 |
| L20 | 0 | (first near3 (ECC or (ECC near3 correct\$3)) near3 (trial\$1 or attempt\$1)) and (second near3 (ECC or (ECC near3 correct\$3)) near3 (trial\$1 or attempt\$1)) and (third near3 (ECC or (ECC near3 correct\$3)) near4 (trial\$1 or attempt\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:22 |
| L21 | 2 | (first near3 (ECC or (ECC near3 correct\$3)) near3 (trial\$1 or attempt\$1)) and (second near3 (ECC or (ECC near3 correct\$3)) near3 (trial\$1 or attempt\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:30 |
| L22 | 0 | (add\$3 near10 (long adj2 (codeword or (block adj2 (bit\$1 or byte\$1)))))) and ECC and CRC | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:32 |
| L23 | 5 | (long adj2 (codeword or (block adj2 (bit\$1 or byte\$1)))) and ECC and CRC | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/25 10:32 |



Day : Monday
Date: 9/25/2006
Time: 10:59:52

Inventor Name Search Result

Your Search was:

Last Name = HASSNER

First Name = MARTIN

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
|--------------------------|-------------------------|--------|------------|--|-----------------|
| 06283758 | 4413251 | 150 | 07/16/1981 | METHOD AND APPARATUS FOR GENERATING A NOISELESS SLIDING BLOCK CODE FOR A (1,7) CHANNEL WITH RATE 2/3 | HASSNER, MARTIN |
| 06336478 | 4463344 | 150 | 12/31/1981 | METHOD AND APPARATUS FOR GENERATING A NOISELESS SLIDING BLOCK CODE FOR A (2,7) CHANNEL WITH RATE 1/2 | HASSNER, MARTIN |
| 06666842 | 4609907 | 150 | 10/31/1984 | DUAL CHANNEL PARTIAL RESPONSE SYSTEM | HASSNER, MARTIN |
| 07644160 | Not Issued | 166 | 01/22/1991 | MODULAR IMPLEMENTATION FOR A PARALLELIZED KEY EQUATION SOLVER FOR LINEAR ALGEBRAIC CODES | HASSNER, MARTIN |
| 08127465 | 5428628 | 150 | 09/27/1993 | MODULAR IMPLEMENTATION FOR A PARALLELIZED KEY EQUATION SOLVER FOR LINEAR ALGEBRAIC CODES | HASSNER, MARTIN |
| 08668887 | 5748023 | 250 | 06/24/1996 | INTEGRATOR WITH OUTPUT-COMPENSATING CAPABILITY | HASSNER, MARTIN |
| 08838375 | 5942005 | 150 | 04/08/1997 | METHOD AND MEANS FOR COMPUTATIONALLY EFFICIENT ERROR AND ERASURE CORRECTION IN LINEAR CYCLIC CODES | HASSNER, MARTIN |
| 08971796 | 5946328 | 150 | 11/17/1997 | METHOD AND MEANS FOR EFFICIENT ERROR DETECTION AND CORRECTION IN LONG BYTE STRINGS USING INTEGRATED INTERLEAVED REED-SOLOMON CODEWORDS | HASSNER, MARTIN |
| 09667260 | 6344807 | 150 | 09/22/2000 | Packet-frame generator for creating an | HASSNER, |

| | | | | | |
|-----------------|----------------|-----|------------|---|--------------------|
| | | | | encoded packet frame and method thereof | MARTIN |
| <u>10817421</u> | Not Issued | 40 | 04/02/2004 | Techniques for detecting and correcting errors using multiple interleave erasure pointers | HASSNER, MARTIN |
| <u>11058596</u> | Not Issued | 30 | 02/14/2005 | Techniques for performing reduced complexity galois field arithmetic for correcting errors | HASSNER, MARTIN |
| <u>11059734</u> | Not Issued | 30 | 02/16/2005 | Techniques for performing Galois field logarithms for detecting error locations that require less storage space | HASSNER, MARTIN |
| <u>11154978</u> | Not Issued | 20 | 06/15/2005 | Error detection and correction for encoded data | HASSNER, MARTIN |
| <u>11207474</u> | Not Issued | 30 | 08/18/2005 | Decoding error correction codes using a modular single recursion implementation | HASSNER, MARTIN |
| <u>11341230</u> | Not Issued | 25 | 01/26/2006 | Combined encoder/syndrome generator with reduced delay | HASSNER, MARTIN |
| <u>07175171</u> | <u>4949196</u> | 150 | 03/30/1988 | METHOD AND APPARATUS FOR ASYMMETRICAL RLL CODING | HASSNER, MARTIN A. |
| <u>07200322</u> | <u>4882583</u> | 150 | 05/31/1988 | MODIFIED SLIDING BLOCK CODE FOR LIMITING ERROR PROPAGATION | HASSNER, MARTIN A. |
| <u>07284979</u> | <u>4951284</u> | 250 | 12/14/1988 | METHOD AND MEANS FOR CORRECTING RANDOM AND BURST ERRORS | HASSNER, MARTIN A. |
| <u>07493568</u> | <u>4994995</u> | 150 | 03/14/1990 | BIT-SERIAL DIVISION METHOD AND APPARATUS | HASSNER, MARTIN A. |
| <u>07917704</u> | Not Issued | 166 | 07/20/1992 | PROGRAMMABLE SEQUENTIAL SOLUTION OF KEY EQUATION FOR LINEAR ALGEBRAIC CODES | HASSNER, MARTIN A. |
| <u>08008922</u> | <u>5444719</u> | 250 | 01/26/1993 | ADJUSTABLE ERROR-CORRECTION COMPOSITE REED-SOLOMON ENCODER/SYNDROME GENERATOR | HASSNER, MARTIN A. |
| <u>08089211</u> | <u>5384567</u> | 150 | 07/08/1993 | COMBINATION PARALLEL/SERIAL EXECUTION OF SEQUENTIAL ALGORITHM FOR DATA COMPRESSION/DECOMPRESSION | HASSNER, MARTIN A. |
| <u>08247446</u> | <u>5487077</u> | 150 | 05/23/1994 | LOCATION DEPENDENT VARIABLE ERROR CORRECTION PROCESSING FOR MULTI-TRACK RECORDING MEDIA USING VARIABLE LENGTH | HASSNER, MARTIN A. |

| | | | | | |
|-----------------|----------------|-----|------------|--|---------------------------------|
| <u>10040115</u> | <u>6903887</u> | 150 | 01/03/2002 | MULTIPLE LEVEL (ML), INTEGRATED SECTOR FORMAT (ISF), ERROR CORRECTION CODE (ECC) ENCODING AND DECODING PROCESSES FOR DATA STORAGE OR COMMUNICATION DEVICES AND SYSTEMS | HASSNER, MARTIN AURELIANO |
| <u>10216094</u> | <u>6842062</u> | 150 | 08/09/2002 | INTEGRATED ELECTRONIC CIRCUIT INCLUDING NON-LINEAR INDUCTOR DEVICES | HASSNER, MARTIN AURELIANO |
| <u>10216562</u> | <u>6777998</u> | 150 | 08/09/2002 | INTEGRATED ELECTRONIC CIRCUIT INCLUDING NON-LINEAR DEVICES | HASSNER, MARTIN AURELIANO |
| <u>10217728</u> | Not Issued | 94 | 08/12/2002 | ALGEBRAIC DECODER AND METHOD FOR CORRECTING AN ARBITRARY MIXTURE OF BURST AND RANDOM ERRORS | HASSNER, MARTIN AURELIANO |
| <u>10291087</u> | <u>6928515</u> | 150 | 11/09/2002 | INTEGRATED SECTOR FORMAT- ERROR CORRECTION CODE SYSTEM AND METHOD FOR EFFICIENT WRITING IN A DISK ARRAY SYSTEM | HASSNER, MARTIN AURELIANO |
| <u>10301151</u> | <u>6891690</u> | 150 | 11/20/2002 | ON-DRIVE INTEGRATED SECTOR FORMAT RAID ERROR CORRECTION CODE SYSTEM AND METHOD | HASSNER, MARTIN AURELIANO |
| <u>10453550</u> | Not Issued | 61 | 06/04/2003 | Method for correcting a burst of errors plus random errors | HASSNER, MARTIN AURELIANO |
| <u>10640915</u> | <u>7080200</u> | 150 | 08/14/2003 | SYSTEM AND METHOD FOR HANDLING WRITES IN HDD USING 4K BLOCK SIZES | HASSNER, MARTIN AURELIANO |
| <u>10666401</u> | Not Issued | 71 | 09/17/2003 | Direct partial update of CRC/ECC check bytes | HASSNER, MARTIN AURELIANO |
| <u>10689814</u> | Not Issued | 93 | 10/20/2003 | GENERALIZED PARITY STRIPE DATA STORAGE ARRAY | HASSNER, MARTIN AURELIANO |
| <u>08896348</u> | <u>6154868</u> | 150 | 07/18/1997 | METHOD AND MEANS FOR COMPUTATIONALLY EFFICIENT ON-THE-FLY ERROR CORRECTION IN LINEAR CYCLIC CODES USING ULTRA-FAST ERROR LOCATION | HASSNER, MARTIN AURELIANO |
| <u>08987208</u> | <u>5963152</u> | 150 | 12/09/1997 | RESOLVING BLOCK METHOD FOR | HASSNER, |

| | | | | | |
|--------------------------|-------------------------|-----|------------|---|---------------------------------|
| | | | | SYNCHRONIZATION CORRECTION IN RUN-LENGTH LIMITED CODES | MARTIN AURELIANO |
| 09090511 | 6141786 | 250 | 06/04/1998 | METHOD AND APPARATUS FOR PERFORMING ARITHMETIC OPERATIONS ON GALOIS FIELDS AND THEIR EXTENSIONS | HASSNER, MARTIN AURELIANO |
| 09115530 | 6195025 | 150 | 07/13/1998 | METHOD AND MEANS FOR INVERTIBLY MAPPING BINARY SEQUENCES INTO RATE 2/3 (1,K) RUN-LENGTH-LIMITED CODED SEQUENCES WITH MAXIMUM TRANSITION DENSITY CONSTRAINTS | HASSNER, MARTIN AURELIANO |
| 09124327 | 6233714 | 150 | 07/29/1998 | GENERALIZED METHOD AND MEANS FOR DEFINING AND OPERATING A (D, K) PARTIAL- RESPONSE ML DETECTOR OF BINARY-CODED SEQUENCES | HASSNER, MARTIN AURELIANO |

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